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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/942,789	08/29/2001	Nathan Henderson	3COM 3641-1	2943
22470 7.	590 10/18/2005		EXAMINER	
	FFEL & WOLFELD	CAO, CHUN		
P O BOX 366 HALF MOON BAY, CA 94019			ART UNIT	PAPER NUMBER
	•		2115	

DATE MAILED: 10/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		09/942,789	09/942,789 HENDERSON ET AL.				
		Examiner	Art Unit				
		Chun Cao	2115				
Period fo	The MAILING DATE of this communication Reply	on appears on the cover sheet	with the correspondence a	ddress			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR F CHEVER IS LONGER, FROM THE MAILIN nsions of time may be available under the provisions of 37 (SIX (6) MONTHS from the mailing date of this communicati o period for reply is specified above, the maximum statutory are to reply within the set or extended period for reply will, by reply received by the Office later than three months after the ed patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMU CFR 1.136(a). In no event, however, may ion. period will apply and will expire SIX (6) N statute, cause the application to become	NICATION. y a reply be timely filed MONTHS from the mailing date of this a ABANDONED (35 U.S.C. § 133).	,			
Status							
1)⊠	Responsive to communication(s) filed on	07 September 2005.					
2a)□		This action is non-final.					
3)□	_						
,—	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
4)🖂)⊠ Claim(s) <u>1-27</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
	Claim(s) is/are allowed.						
	Claim(s) <u>1-27</u> is/are rejected.						
7)	Claim(s) is/are objected to.	•					
	Claim(s) are subject to restriction a	and/or election requirement.					
Applicati	on Papers			·			
	The specification is objected to by the Exa	aminer					
	•		n) ∩ chiected to by the Eva	ıminer			
10) The drawing(s) filed on <u>07 September 2005</u> is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the c	- ' '	• • • • • • • • • • • • • • • • • • • •	SER 1 121(d)			
11)	The oath or declaration is objected to by the						
Priority ι	ınder 35 U.S.C. § 119						
_	Acknowledgment is made of a claim for fo	reign priority under 35 U.S.C	5. § 119(a)-(d) or (f).				
a) _l	All b) Some * c) None of:	manda haya baran arasatan d					
	1. Certified copies of the priority docu		· Amaliantian Na				
	2. Certified copies of the priority docu			1.04			
	 Copies of the certified copies of the application from the International B 		en received in this National	i Stage			
* 5	See the attached detailed Office action for		ot received				
	and the character of the control to	a list of the definied dopies if	ot roodivou.				
Attachmen	t(s)						
_	e of References Cited (PTO-892)	4) ☐ Intervie	w Summary (PTO-413)				
2) 🔲 Notic	e of Draftsperson's Patent Drawing Review (PTO-94	8) Paper N	lo(s)/Mail Date				
	nation Disclosure Statement(s) (PTO-1449 or PTO/S r No(s)/Mail Date	5B/08) 5) Notice of 6) Other: _	of Informal Patent Application (PT	O-152)			

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DETAILED ACTION

1. Claims 1-27 are presented for examination.

2. The text of those applicable section of Title 35, U.S. Code not included in this action can be found in the prior Office Action.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hwang et al. (Hwang), U.S. publication no. 2002/0188875 in view of Miner et al. (Miner), U.S. patent no. 6,690,655.

As per claim 1, Hwang discloses a computer system comprising:

a host processor including resources supporting a full power mode, a lower power mode and a power down mode; and a network interface coupled to the host processor and to a network [fig. 4; paragraph 0009], the network interface comprising:

a memory that stores data packets in transit between the host processor and the network [Figure 3; paragraph 0024];

a medium interface unit coupled to network media supporting at least a high speed protocol and a lower speed protocol [paragraph 0024].

Hwang does not explicitly disclose power management logic which forces the medium interface unit to the lower speed protocol in response to an event signally entry of said lower power mode.

Miner disclose that power management logic which forces the medium interface unit to the lower speed protocol in response to an event signally entry of said lower power mode [Figure 7; col. 4, lines 7-26; col. 10, lines 46-53; col. 20, lines 36-40].

It would have been obvious to one of ordinary skill in the art at time the invention to combine the teachings of Hwang and Miner because they both disclose a network communication system, and the specify teachings of Miner stated above would have improved the performance and further reducing the amount or power consumed by the system.

As per claim 2, Miner discloses that the network interface in said lower power mode consumes less than a specified power when executing said lower speed protocol, and consumes greater than the specified power when executing said high speed protocol [col. 3, lines 13-18; col. 4, lines 20-26].

As per claim 3, Hwang discloses that the network interface in said lower power mode consumes less than a specified power of about 1.3 watts, and the network interface requires greater than the specified power to support said high speed protocol [paragraph 0053].

As per claim 4, Hwang discloses that the network interface includes logic operating in the lower power mode using the lower speed protocol to detect a pattern in

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incoming packets, and in response to detection of said pattern, to issue a reset signal to the host processor [paragraph 0072].

As per claim 5, Hwang discloses that the medium interface unit comprises circuitry for formatting packets according to protocols compliant with 10 Megabit, 100 Megabit and Gigabit Ethernet protocol standards, and wherein said high speed protocol is Gigabit Ethernet, and said lower speed protocol is one of 10 Megabit Ethernet and 100 megabit Ethernet [paragraph 0024].

As per claim 6, Hwang discloses that the medium interface unit comprises circuitry for formatting packets according to a protocol compliant with an InfiniBand protocol standard, and wherein said high speed protocol is InfiniBand [paragraph 0024].

As per claim 7, Miner discloses that host processor monitors the network interface for a wake up event involving a loss of link or a change of link on the network interface, and wherein said power management logic blocks signals indicating said wake up event for a time interval during the power management logic circuitry forces the medium interface unit to the lower speed protocol [Figure 7; col. 4, lines 7-26; col. 10, lines 46-53; col. 20, lines 36-40].

As per claim 8, Miner discloses event signaling lower power mode is a signal generated by the host processor [Figure 7; col. 4, lines 7-26; col. 10, lines 46-53; col. 20, lines 36-40].

As per claim 9, Hwang discloses that host processor includes a system bus coupled to the network interface said system bus having a full power mode, a lower power mode and a power down mode, and said event signaling lower power mode

comprises a loss of power on the system bus [paragraph 0073]. Miner also discloses that host processor includes a system bus coupled to the network interface said system bus having a full power mode, a lower power mode and a power down mode, and said event signaling lower power mode comprises a loss of power on the system bus [fig. 2; col. 4, lines 7-26; col. 10, lines 46-53; col. 20, lines 36-40].

As to claims 10-18, claims 1-9 basically are the corresponding elements that are carried out the method of operating steps in claims 10-18. Accordingly, claims 10-18 are rejected for the same reason as set forth in claims 1-9.

As to claims 19-27 are written in mean plus function and contained the same limitations as claims 1-9. Therefore, same rejection is applied.

5. Applicant's arguments filed on 9/7/2005 have been fully considered but are moot in view of new ground(s) of rejection. The examiner regrets the delay in the citation of the new references.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chun Cao whose telephone number is 571-272-3664.

The examiner can normally be reached on Monday-Friday from 7:30 am-4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Oct. 13, 2005

CHUNCAO PRIMARY EXAMINER